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(54) Title: MEMBRANE PREPARATION FROM *PICHIA PASTORIS* TO ASSAY  $\gamma$ -SECRETASE ACTIVITY

(57) Abstract: Screening methods for identifying compounds that inhibit  $\gamma$ -secretase activity are provided. The screening methods involve the generation of a transgenic *P. pastoris* expressing PS1, APH-1, PEN-2, and nicastrin. Test compounds can be screened for the ability to modulate  $\gamma$ -secretase activity *in vivo* or *in vitro*.